

REMARKS

A new title has been provided.

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The Examiner objected to FIG. 40 of the drawings. The word "separate" has been corrected and the word "respond" has been made more legible.

The Examiner rejected claims 18-20 as being indefinite. In particular the Examiner was unclear what "a fault" defines, what type of signal is sensed by the sensor, and how the signal is related to the fault and in what the fault occurs.

Claim 18 has been amended to clarify "a fault". In particular the "fault" is within the earth and the signal sensed by the sensor comes from the fault (albeit the signal may not necessarily originate with the fault). A frequency component of the signal coming from the fault is what is sensed by the sensor, and is associated with the general latitude of the fault.

Claim 18 should now be sufficiently definite. Claims 19-20 depend from claim 18 and should not be indefinite.

The Examiner rejected claims 18-20 as being anticipated by Helms, U.S. Patent No. 5,148,110.

The Examiner apparently interpreted the sensing of a frequency component of an electromagnetic signal as taught by Helms to be associated with the latitude, since the signal sensed is proximate the sensor and the location of the sensor is apparently known.

Claim 18 has been amended to patentably distinguish over Helms by claiming that the sensor is not proximate to the fault.

Claims 19 and 20 depend from claim 18 and are patentable for the same reasons as claim 18.

Accordingly, the Examiner is respectfully requested to reconsider claims 18-20, and to pass the application to issue.

Respectfully submitted,



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CERTIFICATE OF MAILING

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